

# Sensor controlled single plant treatment in the pesticide application

(J. Portner, S. Fuß)

## Obsolete method:

- Protection of the operator?
- Accurate Dosage?
- Accurate application?
- Wetting?
- Additional operation step?



## Innovation:

Reciprocating compressor with compressed air reservoir

Pressure controller

Control unit

PPP hose

Nozzle unit with air vessel



Sensors for wire and plant detection



- Improved protection of the operator inside the tractor cabin
- Accurate application provided by exact wire detection
- Accurate dosage provided by variable application rate (400-1000 l/ha)
- High area capacity (two rows paralely) up to 3 ha/h
- Saving of labour costs – one operator sufficient